

**POLYMER PRODUCT AND INTERFACIAL POLYMERISATION PROCESS
USING RAFT AGENT**

ABSTRACT

The invention provides a method of polymerising monomer to form polymer at the surface of solid particulate material, said method comprising: providing a dispersion of said solid particulate material in a continuous hydrophilic liquid phase, said dispersion comprising a hydrophilic RAFT agent as a stabiliser for said solid particulate material, and said continuous hydrophilic liquid phase comprising one or more ethylenically unsaturated monomers; and polymerising said one or more ethylenically unsaturated monomers under the control of said hydrophilic RAFT agent to thereby form polymer at the surface of said solid particulate material.

(no suitable figure)